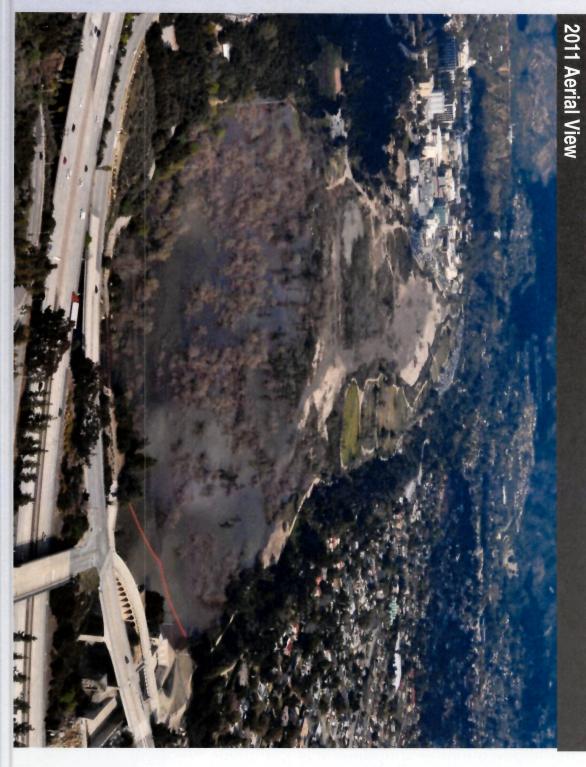
and Management Project Devil's Gate Reservoir Sediment Removal







Alternative 3, Configuration D, Option 2







LACFCD Easement: 258 Acres

Originally Proposed Project:120 Acres

Recommended Project (Alt 3, Configuration D, Option 2):

Sediment Removal
71 Acres

Sediment
Management
52 Acres

Traffic – Alternative 5 Haul Routes





- Adds additional haul routes to access the reservoir from the 210 Freeway
- Developed with traffic engineers from Cities of La Cañada Flintridge and Pasadena to reduce impacts
- Can Avoid impact at Berkshire Place/La Cañada High School with alternate route in AM
- Enables flexibility to balance traffic between Cities of La Cañada Flintridge and Pasadena









- In Draft EIR Air Quality Impacts were found to be significant
- standards for Model Year 2007, or newer. MM AQ-1: LACFCD shall require all construction contractors to use only sediment removal dump trucks that meet EPA's emission
- Air Quality impacts now less than significant







Recommended Alternative

- achieving project objectives, LACFCD Based on reduction in level of impacts while recommends:
- Alternative 3 Configuration D, Option 2
- Haul Route Alternative With addition of the haul routes from Alternative 5,



Devil's Gate Reservoir Sediment Removal Comparison

ltem	Proposed Project	Working Group Recommendations	Recommended Alternative
Sediment Capacity of Devil's Gate Reservoir	4M Cubic Yards	2.5M Cubic Yards	3.7M Cubic Yards
Excavation Amount to Reach Capacity	2.8M Cubic Yards	1.1M Cubic Yards	2.4M Cubic Yards
Project Duration	5 Years	5 years	3 - 5 Years
Maximum Amount to Remove Per Year	1.2 M Cubic Yards 1	220,000 Cubic Yards	800,000 Cubic Yards
Additional Amount Per Year After Heavy Inflow	0 Cubic Yards	100,00 Cubic Yards	0 Cubic Yards
Preferred Reservoir Configuration	N/A	Alt. 3 Configuration D	Alt. 3, Config. D, Option 2 7
Westside Stream	N/A	Remove from Alternative	Mimics Hahamonga Master Plan
Seasonal Pool	None	Recommended	Occasionally possible
Project Footprint	120 Acres	71 Acres	71 Acres
Maintenance Footprint	92 Acres	< 50 acres	52 Acres
Scheduled work days	M-Sat Non Storm Season only	M-F	M-F Non-Storm Season Only 5
Scheduled work hours per day	7 am - 7 pm	8 am - 4 pm	7 am - 3:30 pm ₆
School lod tricking bours	7 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	8.45 am - 2.45 am	7 am - 3:30 pm ₂
Scheduled clacking flours	/ am - / pm	8:43 dili - 2:43 pili	No staging of trucks on City streets
Maximum Truck Round Trips per Day	425	120	400
Air Quality	Tier 3 offroad/ 2007 if available	Low Emissions/highest standards	Low Emission required
			Tier 3 offroad/ 2007 or better
Dust Control	BMP's, water trucks, covered trucks	Same and adding slower production	BMP's, water trucks, covered trucks 3
Habitat Mitigation	Proposed 1:1	5:1 in Arroyo Seco or Pasadena	Will Implement Hahamonga MP 4
Daily Contact during construction	Inspector available on-site and	On-Site Project Manager number	Inspector available at on-site trailer and
	phone number provided		phone number provided. 24 hour
			Dispatch phone number provided
A Larger Vision	Purely Flood Control	Hahamonga MP + downstream	Follows Hahamonga MP
		restoration	
1- If achieved, project length would be shortened to less than 3 years	sss than 3 years		

 ¹⁻ If achieved, project length would be shortened to less than 3 years.
 2- Routes altered to reduce impacts and maintain productivity.

³⁻ No significant impacts per EIR.

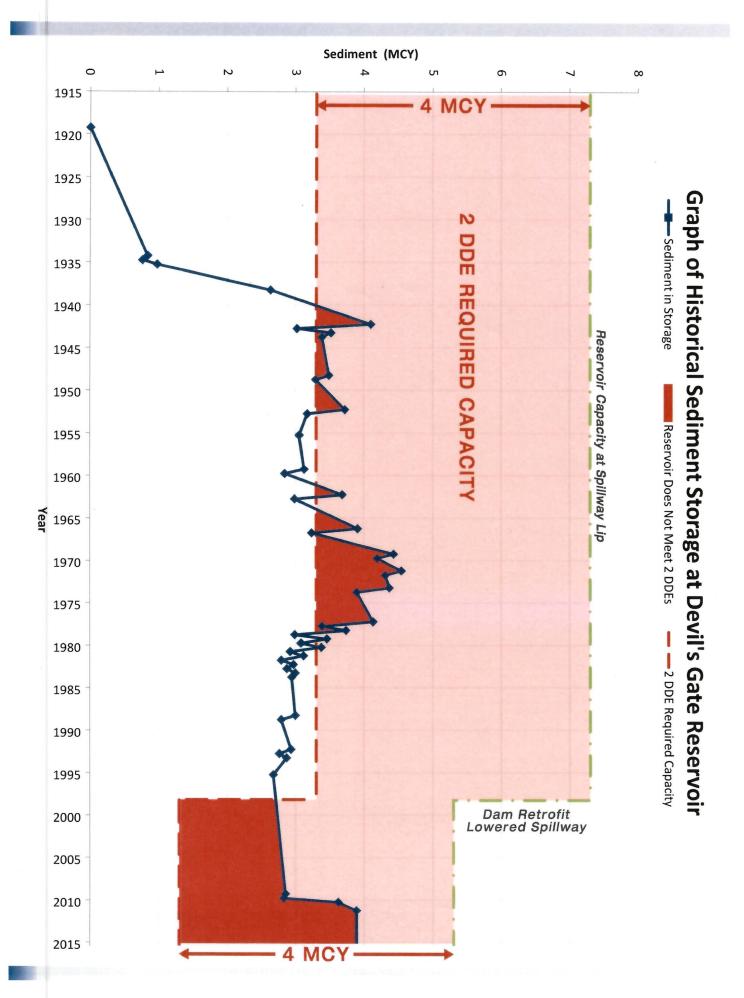
 $_{4} ext{-}$ Minimum 1:1 plus additional mitigation as required by regulatory permits.

s-Sediment removal occurs during non-storm season (April 15 to October 15 or until significant rainfall occurs).

⁶⁻ Limited activities within reservoir outside these hours 7- Option 2 removes westside leg from the project footprint area.

Historic Sediment Events

- 1934 to 1943 = 4.7 Million Cubic Yards
- 1934-1938 = 1.0 MCY after small fire
- 1938 storm (50 yr. storm) =1.7 MCY
- 1941= 1.5 MCY during 2 large storms
- 1943 = 0.5 MCY
- 1966 to 1969 = 2.0 Million Cubic Yards
- 1966= 0.9 MCY
- 1969= 1.1 Million CY (appx. 50 yr. storm- no fires)
- 2010-2011 = 1.3 Million Cubic Yards
- 2010= 0.9 MCY in approximately 5 yr. storm
- 2011= 0.4 MCY in less than 5 yr. storm



Hahamongna Watershed Park MP





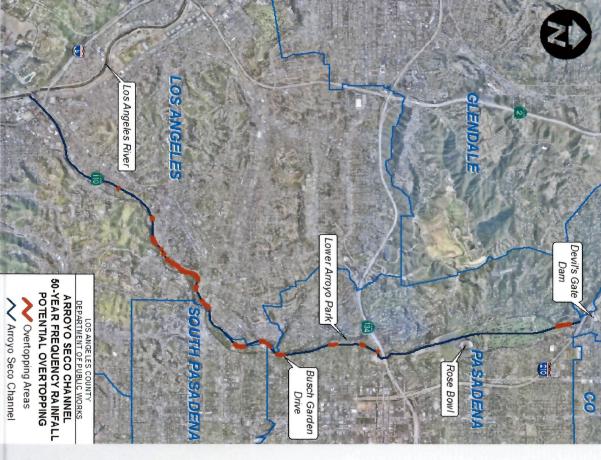




End of Presentation











Traffic - Alternative 5 Haul Routes





